**Test Plan for E-Commerce Website**

**1. Objective**

The objective of this test plan is to ensure the e-commerce website functions correctly, meets the specified requirements, and provides a seamless user experience.

**2. Scope**

* Functional Testing
* UI/UX Testing
* Performance Testing
* Security Testing
* Compatibility Testing
* Regression Testing

**3. Test Items**

* User Registration and Login
* Product Search and Filter
* Product Details Page
* Add to Cart and Wishlist
* Checkout Process
* Payment Gateway Integration
* Order Confirmation and Tracking

**4. Testing Approach**

* Manual Testing
* Black Box Testing
* Exploratory Testing

**5. Test Environment**

* Browser Compatibility: Chrome, Firefox, Safari, Edge
* Devices: Desktop, Tablet, Mobile
* OS: Windows, macOS, iOS, Android

**6. Entry Criteria**

* Requirements finalized
* Test environment ready
* Test data prepared

**7. Exit Criteria**

* All critical test cases executed
* No high-severity defects remaining
* Test report completed

**8. Deliverables**

* Test Cases
* Test Reports
* Bug Reports
* Requirement Traceability Matrix

**9. Schedule**

* Test Case Preparation: [Dates]
* Test Execution: [Dates]
* Bug Reporting and Fixing: [Dates]
* Final Reporting: [Dates]

**10. Roles and Responsibilities**

* Test Lead: [Name]
* QA Engineer: [Name]

**11. Risks and Mitigation**

* Risk: Delayed requirements -> Mitigation: Close coordination with stakeholders
* Risk: Limited test environment -> Mitigation: Prioritize critical tests

**12. Approval**

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* Approved by: [Name]